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2   **ABSTRACT**

3   Method and apparatus for analysis of executable program code. The executable

4   program includes segments of code that correspond to callable functions in the source

5   code from which the executable code was generated. Compiler-generated checkpoint

6   descriptors are included in the executable and include pairs of entry points and

7   endpoints. Each pair of entry points and endpoints is associated with a callable

8   function in the source code. The pairs of entry points and endpoints are read from the

9   executable program code and used to generate analysis data for the associated

10   functions. In other embodiments, pairs of entry points and endpoints are additionally

11   assembled from dynamic load modules and symbol tables.